

SPURS-DMS Report January 2013

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Outline

- Animation
- How to obtain SPURS data and model output
- Status of SPURS web page
- Data quality intercomparison results

| | |
|--------------------------|---|
| Dataset Name | How do I get it? |
| Seaglider | Contact the DMT or Craig Lee |
| STS Floats | http://runt.ocean.washington.edu/argo/data/ Float ID's for SPURS floats are shown in Table 2. |
| Tenuse glider data | Contact Gilles Reverdin |
| Thalassa underway data | http://www.coriolis.eu.org/Data-Services-Products/View-Download/Data-selection Use platform "FNFP" for the Thalassa |
| WHOI Mooring | http://uop.who.edu/projects/SPURS/spurs.html |
| Aquarius data | http://podaac.jpl.nasa.gov/datasetlist?ids=Platform&values=AQUARIUS_SAC-D+&search= |
| Neutrally Buoyant Floats | Contact Andrey Scherbina |
| Model Results | Contact the DMT |
| Prawler Mooring Data | Contact Billy Kessler |

| | |
|---|--|
| Dataset Name | How do I get it? |
| Knorr Underway including TSG and shipboard ADCP | Contact the DMT |
| Lowered ADCP | Contact the DMT or Julian Schanze |
| Knorr CTD | Contact the DMT |
| Underway CTD | Contact the DMT or Tom Farrar |
| Waveglider | Contact the DMT or Dave Fratantoni |
| Salinity Drifter | ftp://spurs.ucsd.edu/ (username: spurs, password: ftp4uspur) |
| VMP and T-gliders | Contact Lou St. Laurent |

Special Note

- Surface T/S and Profile T/S Datasets available in MATLAB format (.mat) updated to about 1/1/2013

SPURS Website

- <http://spurs.jpl.nasa.gov>
- Please get us any references, presentations, papers, etc.

SPURS Website...

- Provides real-time access to SPURS datasets, ancillary in-situ and satellite observations, global and SPURS model nowcast and forecast output.
- SPURS datasets: Knorr underway, flux mooring, wavegliders, seaglidors, GTS drifters, SVP/SVPS drifters, STS floats
- Ancillary in-situ datasets: PIRATA mooring, ARGO floats
- Satellite datasets: NCEP OI SST, ASCAT wind, AVISO SSH, Aquarius SST 7-day OI

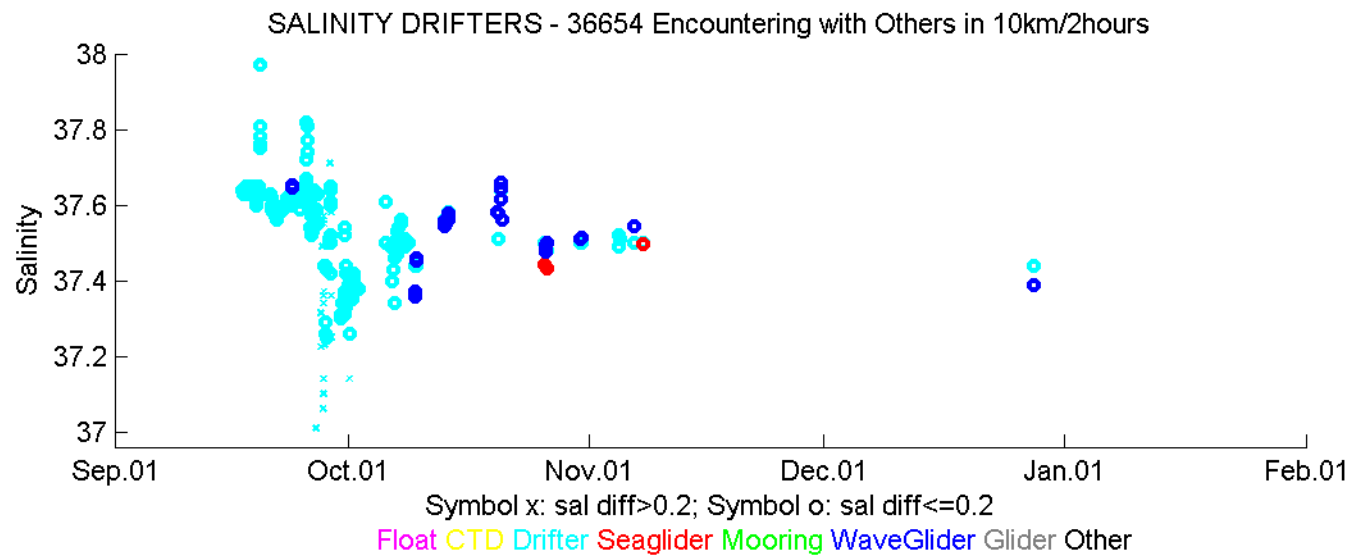
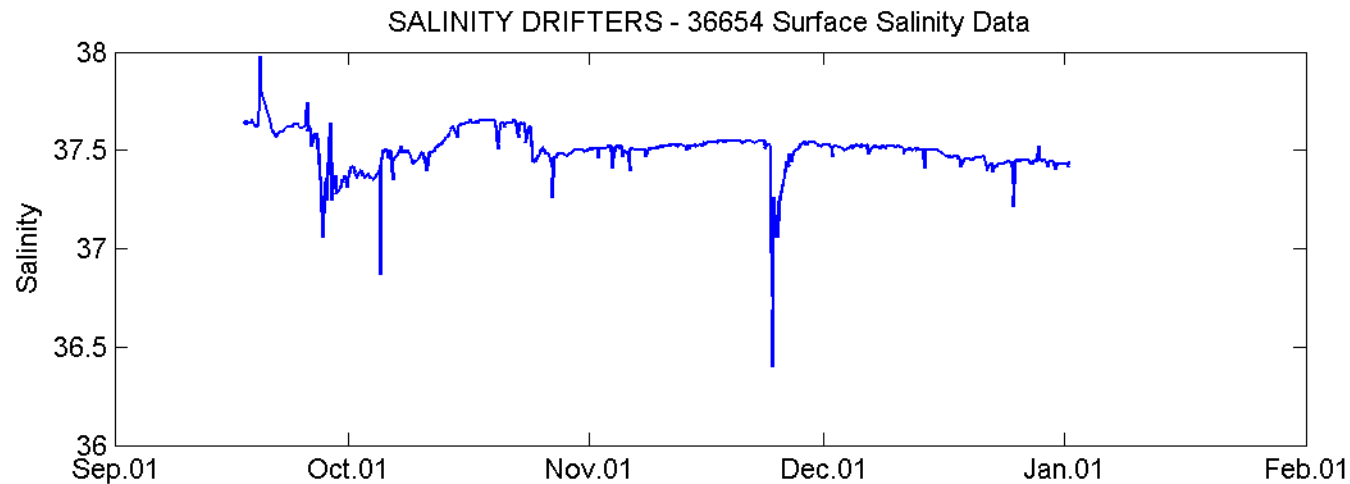
SPURS Website...

- During the campaign, provided links to download daily images, SPURS model forecasts, and weather forecast for low bandwidth access.
- During the campaign, provided real-time GOES IR image and the hurricane best tracks as Google Earth Overlays
- After the campaign, continue serving the real-time SPURS and ancillary observations as well as model outputs.
- A calendar-based Google Earth interface

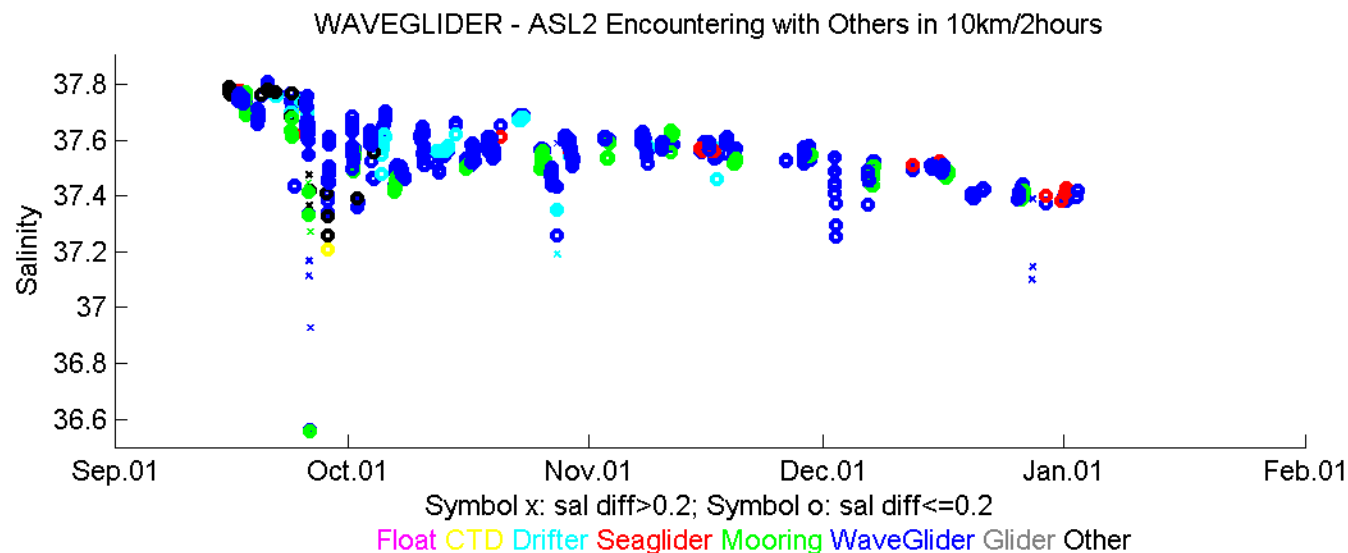
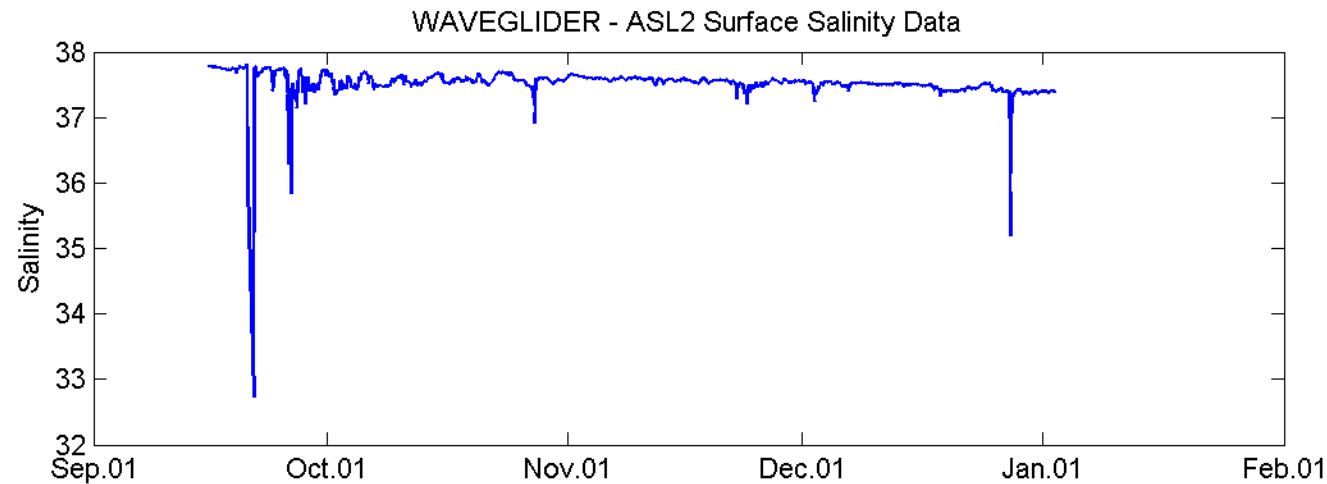
SPURS Intercomparison Results

- Criterion for encounter, 10 km and 2 hours
- Criterion for mismatch, salinities differ by more than 0.2
- SPURS dataset appears to be internally consistent at the 0.2 level (examples to follow)
- A rain event on about Sept. 27 produced a lot of short spatial scale variance in salinity
- During the final quarter of 2012 salinity in the SPURS region was decreasing at about 0.1 psu/month

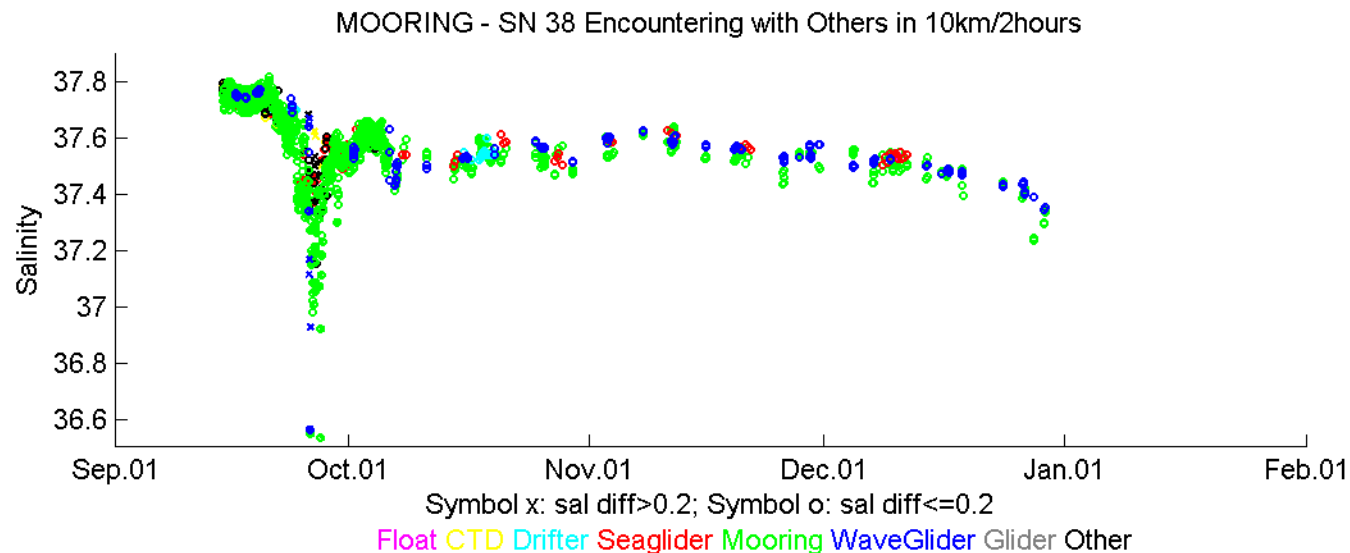
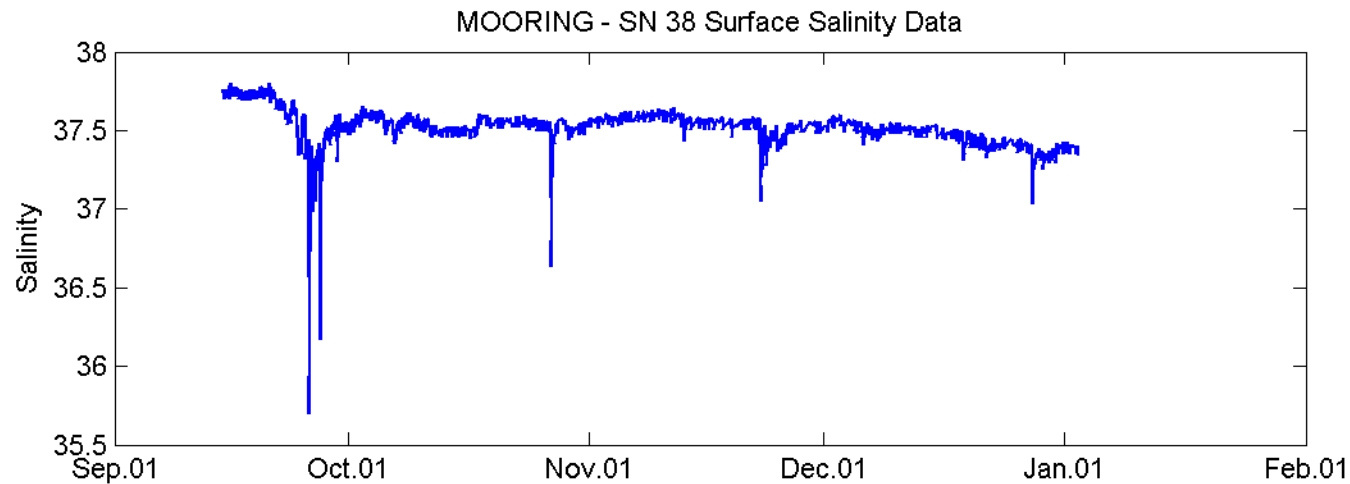
SPURS Intercomparison Results



SPURS Intercomparison Results



SPURS Intercomparison Results



Long-term Archive

- Submission late '13 or early '14
- DMT to be in control of submission
- Creation of metadata is high priority
- Archive both at NODC and at PO.DAAC
- What functionality do we want?
- What value-added products? (Assimilated model output? Mapped fields?)